

Dirk van der Marel

List of Publications by Year in descending order

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238
papers

14,709
citations

29994

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117
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241
all docs

241
docs citations

241
times ranked

12759
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantized conductance of point contacts in a two-dimensional electron gas. Physical Review Letters, 1988, 60, 848-850.	2.9	2,851
2	Photonic crystals cause active colour change in chameleons. Nature Communications, 2015, 6, 6368.	5.8	916
3	Universal Optical Conductance of Graphite. Physical Review Letters, 2008, 100, 117401.	2.9	881
4	Electrodynamics of correlated electron materials. Reviews of Modern Physics, 2011, 83, 471-541.	16.4	633
5	Giant Faraday rotation in single- and multilayer graphene. Nature Physics, 2011, 7, 48-51.	6.5	521
6	Magnetoelectric Effects in Complex Oxides with Competing Ground States. Advanced Materials, 2009, 21, 3470-3474.	11.1	395
7	Superconductivity in MgB ₂ : Clean or Dirty?. Physical Review Letters, 2002, 89, 107002.	2.9	350
8	Quantum critical behaviour in a high-T _c superconductor. Nature, 2003, 425, 271-274.	13.7	288
9	Superconductivity-Induced Transfer of In-Plane Spectral Weight in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . Science, 2002, 295, 2239-2241.	6.0	284
10	Determination of the gate-tunable band gap and tight-binding parameters in bilayer graphene using infrared spectroscopy. Physical Review B, 2009, 80, .	1.1	266
11	Electron-electron interaction and localization in d-transition metals. Physical Review B, 1988, 37, 10674-10684.	1.1	236
12	$\frac{1}{\mu_0} \frac{d\mathbf{L}}{dt} = \mathbf{L} \times \boldsymbol{\omega}$ a Novel Relativistic Mott Insulator with a 340-meV Gap. Physical Review Letters, 2012, 109, 266406.	1.1	192
13	Electron-Phonon Interaction and Charge Carrier Mass Enhancement in SrTiO ₃ . Physical Review Letters, 2008, 100, 226403.	2.9	174
14	Infrared spectroscopy of electronic bands in bilayer graphene. Physical Review B, 2009, 79, .	1.1	170
15	Common Fermi-liquid origin of T ² resistivity and superconductivity in SrTiO ₃ . Physical Review B, 2011, 84, .	1.1	158
16	Disentangling the Electronic and Phononic Glue in a High-T _c Superconductor. Science, 2012, 335, 1600-1603.	6.0	157
17	X-ray photoemission, bremsstrahlung isochromat, Auger-electron, and optical spectroscopy studies of Y-Ba-Cu-O thin films. Physical Review B, 1988, 37, 5136-5141.	1.1	133
18	Gate Tunable Infrared Phonon Anomalies in Bilayer Graphene. Physical Review Letters, 2009, 103, 116804.	2.9	127

#	ARTICLE	IF	CITATIONS
19	Measurement of Magnetic Excitations in the Two-Dimensional Antiferromagnetic Sr_2CuO_2 Using Resonant X-Ray Scattering: Evidence for Extended Interactions. Physical Review Letters, 2010, 105, 157206.	2.9	110
20	Spectroscopic evidence for Fermi liquid-like energy and temperature dependence of the relaxation rate in the pseudogap phase of the cuprates. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5774-5778.	3.3	108
21	Conductance oscillations in two-dimensional Sharvin point contacts. Physical Review B, 1989, 39, 5484-5487.	1.1	107
22	Effect of Fe excess on structural, magnetic and superconducting properties of single-crystalline $\text{Fe}_{1+x}\text{Te}_{1-y}\text{Se}_y$. Journal of Solid State Chemistry, 2010, 183, 769-775.	1.4	107
23	Transverse optical plasmons in layered superconductors. European Physical Journal D, 1996, 46, 3165-3168.	0.4	106
24	Global and local measures of the intrinsic Josephson coupling in $\text{Tl}_2\text{Ba}_2\text{CuO}_6$ as a test of the interlayer tunnelling model. Nature, 1998, 395, 360-362.	13.7	104
25	Optical determination of the relation between the electron-boson coupling function and the critical temperature in high- T_c cuprates. Physical Review B, 2009, 79, .	1.1	103
26	Precise colocalization of interacting structural and pigmentary elements generates extensive color pattern variation in Phelsumalizards. BMC Biology, 2013, 11, 105.	1.7	99
27	Infrared spectroscopic study of CuO : Signatures of strong spin-phonon interaction and structural distortion. Physical Review B, 2001, 63, .	1.1	93
28	Revealing the high-energy electronic excitations underlying the onset of high-temperature superconductivity in cuprates. Nature Communications, 2011, 2, 353.	5.8	93
29	Magneto-Optical Signature of Massless Kane Electrons in Cd_3As_2 . Physical Review Letters, 2015, 115, 166401.	2.9	93
30	Optical Properties of Bi_2Te_3 and Bi_2Se_3 at ambient and high pressures. Physical Review B, 2012, 86, .	1.1	91
31	Model calculations of the quantum ballistic transport in two-dimensional constriction-type microstructures. Physical Review B, 1989, 39, 7811-7820.	1.1	86
32	Direct Two-Magnon Optical Absorption in NaV_2O_5 : Charged Magnons. Physical Review Letters, 1998, 81, 918-921.	2.9	86
33	Observation of Out-of-Phase Bilayer Plasmons in $\text{YBa}_2\text{Cu}_3\text{O}_7$. Physical Review Letters, 2000, 84, 1575-1578.	2.9	81
34	Many-body large polaron optical conductivity in SrTiO_3 . Physical Review B, 2010, 81, .	1.1	80
35	Infrared spectroscopic study of phonons coupled to charge excitations in FeSi . Physical Review B, 1997, 55, R4863-R4866.	1.1	79
36	Local lattice expansion around Pd impurities in Cu and its influence on the Pd density of states: An extended x-ray-absorption fine-structure and Auger study. Physical Review B, 1987, 36, 9098-9106.	1.1	75

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37	Surface State Charge Dynamics of a High-Mobility Three-Dimensional Topological Insulator. Physical Review Letters, 2011, 107, 136803.	2.9	75
38	Heavy carriers and non-Drude optical conductivity in MnSi. Physical Review B, 2003, 67, .	1.1	74
39	Isotope effect in superconducting n-doped SrTiO ₃ . Scientific Reports, 2016, 6, 37582.	1.6	72
40	Infrared- and Raman-Spectroscopy Measurements of a Transition in the Crystal Structure and a Closing of the Energy Gap of BiTeI under Pressure. Physical Review Letters, 2014, 112, 047402.	2.9	71
41	Infrared study of the superconducting phase transition in YBa ₂ Cu ₃ O _{7-x} . Physica C: Superconductivity and Its Applications, 1991, 176, 1-18.	0.6	67
42	Direct Observation of the Exchange-Split Virtual Bound State in Dilute Mn Alloys. Physical Review Letters, 1984, 53, 206-209.	2.9	66
43	Charge Carrier Interaction with a Purely Electronic Collective Mode: Plasmarons and the Infrared Response of Elemental Bismuth. Physical Review Letters, 2007, 99, 016406.	2.9	66
44	Optical properties of BaFe _{2-x} Co _x As ₂ . Europhysics Letters, 2010, 90, 37005.	0.7	66
45	Anomalous behaviour of the chemical potential in superconductors with a low density of charge carriers. Physica C: Superconductivity and Its Applications, 1990, 165, 35-43.	0.6	65
46	Pd and Pt impurity-induced changes in noble-metal density of states: Photoelectron spectroscopy and theory. Physical Review B, 1985, 32, 6331-6346.	1.1	64
47	Doping dependence of the redistribution of optical spectral weight in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} . Physical Review B, 2006, 74, .	1.1	63
48	Anomalous temperature dependence of the work function in YBa ₂ Cu ₃ O _{7-x} . Physical Review Letters, 1992, 69, 2578-2581.	2.9	62
49	Optical Response of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mi} \text{Sr} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \text{} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \text{}$ Universal Fermi-Liquid Scaling and Quasiparticles Beyond Landau Theory. Physical Review Letters, 2014, 113, 087404.	2.9	61
50	Determination of the energy gap in a thin YBa ₂ Cu ₃ O _{7-x} film by Andreev reflection and by tunneling. Physica C: Superconductivity and Its Applications, 1988, 152, 105-110.	0.6	60
51	Spin, charge, and bonding in transition metal mono-silicides. Physica B: Condensed Matter, 1998, 244, 138-147.	1.3	60
52	Structural, electronic, and magneto-optical properties of YVO ₃ . Physical Review B, 2004, 69, .	1.1	59
53	Infrared observation of two-fluid superconductivity in YBa ₂ Cu ₃ O _{7-x} . Physical Review B, 1991, 43, 8606-8609.	1.1	57
54	Anisotropic optical conductivity and two colors of MgB ₂ . Physical Review B, 2006, 73, .	1.1	57

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55	Strong energy-momentum dispersion of phonon-dressed carriers in the lightly doped band insulator SrTiO ₃ . New Journal of Physics, 2010, 12, 023004.	1.2	55
56	Transverse-optical Josephson plasmons: Equations of motion. Physical Review B, 2001, 64, .	1.1	52
57	Infrared and Optical Spectroscopy of \pm - and $\hat{3}$ -Phase Cerium. Physical Review Letters, 2001, 86, 3407-3410.	2.9	52
58	Manifestation of multiband optical properties of MgB ₂ . Solid State Communications, 2002, 121, 479-484.	0.9	52
59	Strong damping of the c-axis plasmon in high-T _c cuprate superconductors. Physica C: Superconductivity and Its Applications, 1995, 247, 297-308.	0.6	51
60	Anisotropy of the optical conductivity of high-T _c cuprates. Physical Review B, 1999, 60, R765-R768.	1.1	51
61	Optical properties of bcc transition metals in the range 0-40 eV. Physical Review B, 2006, 73, .	1.1	51
62	Electromagnetic properties of viscous charged fluids. Physical Review B, 2014, 90, .	1.1	51
63	Non-Drude universal scaling laws for the optical response of local Fermi liquids. Physical Review B, 2013, 87, .	1.1	50
64	Strong magnetic pair breaking in Mn-substituted MgB ₂ single crystals. Physical Review B, 2006, 73, .	1.1	48
65	Experimental test of the interlayer pairing models for high-T _c superconductivity using grazing-incidence infrared reflectometry. Physical Review B, 1997, 55, 11118-11121.	1.1	47
66	Unconventional energetics of the pseudogap state and superconducting state in high-T _c cuprates. Physical Review B, 2001, 63, .	1.1	47
67	Possible mechanism for superconductivity in doped SrTiO ₃ . Physical Review Research, 2019, 1, .	1.3	47
68	Optical signatures of momentum-dependent hybridization of the local moments and conduction electrons in Kondo lattices. Physical Review B, 2007, 75, .	1.1	46
69	Optical Evidence for Symmetry Changes above the Néel Temperature of $KCuF_3$. Physical Review Letters, 2008, 101, 157406.	2.9	46
70	Seebeck effect in $Fe_{1-x}Co_x$ crystals. Physical Review B, 2009, 80, .	1.1	46
71	Observation of the Transverse Optical Plasmon in SmLa _{0.8} Sr _{0.2} CuO ₄ . Physical Review Letters, 2001, 86, 4144-4147.	2.9	45
72	Charge-Ordering Signatures in the Optical Properties of $Na_{0.33}V_2O_5$. Physical Review Letters, 2003, 90, 026402.	2.9	45

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73	Electronic structure of Mn impurities in noble metals. Physical Review B, 1985, 31, 1936-1949.	1.1	44
74	Midinfrared absorption in YBa ₂ Cu ₃ O ₆ : Evidence for a failure of spin-wave theory for spin-1/2 in two dimensions. Physical Review B, 2000, 62, 12422-12426.	1.1	44
75	Multicomponent magneto-optical conductivity of multilayer graphene on SiC. Physical Review B, 2011, 84, .	1.1	44
76	Optical and thermodynamic properties of the high-temperature superconductor HgBa ₂ CuO ₄ + δ . Physical Review B, 2007, 75, .	1.1	42
77	Effect of electron-phonon coupling on the superconducting transition temperature in dodecaboride superconductors: A comparison of LuB ₁₂ and ZrB ₁₂ . Physical Review B, 2008, 78, .	1.1	42
78	Optical conductivity of CeMIn ₅ (M=Co, Rh, Ir). Physical Review B, 2005, 72, .	1.1	40
79	Infrared Conductivity of Elemental Bismuth under Pressure: Evidence for an Avoided Lifshitz-Type Semimetal-Semiconductor Transition. Physical Review Letters, 2010, 104, 237401.	2.9	39
80	Optical spectroscopy and the nature of the insulating state of rare-earth nickelates. Physical Review B, 2015, 92, .	1.1	38
81	Interface superconductivity in LaAlO ₃ /SrTiO ₃ heterostructures. Physical Review B, 2014, 89, .		
82	Grazing Incidence Infrared Reflectivity of La _{1.85} Sr _{0.15} CuO ₄ and NbN. Physical Review Letters, 1996, 76, 1525-1528.	2.9	36
83	Low-temperature ellipsometry of \pm NaV ₂ O ₅ . Physical Review B, 2000, 61, 15762-15765.	1.1	36
84	Optical spectroscopic study of the interplay of spin and charge in \pm NaV ₂ O ₅ . Physical Review B, 2000, 61, 2535-2552.	1.1	35
85	Photo-enhanced antinodal conductivity in the pseudogap state of high-T _c cuprates. Nature Communications, 2014, 5, 4353.	5.8	35
86	In-plane optical response of Bi ₂ Sr ₂ CuO ₆ . Physical Review B, 1997, 55, 14152-14155.	1.1	34
87	Optical study of electronic structure and electron-phonon coupling in ZrB ₁₂ . Physical Review B, 2007, 75, .	1.1	33
88	Universal jump in slope of the chemical potential at second-order phase transitions. Physical Review Letters, 1992, 69, 2575-2577.	2.9	32
89	Systematics of c-axis phonons in the thallium- and bismuth-based cuprate superconductors. Physical Review B, 1999, 60, 13196-13205.	1.1	32
90	Temperature-modulation analysis of superconductivity-induced transfer of in-plane spectral weight in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 2005, 72, .	1.1	31

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91	Optical properties of BiTeBr and BiTeCl. Physical Review B, 2014, 90, .	1.1	31
92	Electronic structure of MnSi: The role of electron-electron interactions. Physical Review B, 2006, 73, .	1.1	30
93	Nonequilibrium Superconductivity and Quasiparticle Dynamics Studied by Photoinduced Activation of mm-Wave Absorption. Physical Review Letters, 1997, 79, 4890-4893.	2.9	29
94	In-plane optical spectral weight transfer in optimally doped Bi ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ . Physical Review B, 2006, 74, .	1.1	29
95	Hybridization gap and anisotropic far-infrared optical conductivity of URu ₂ Si ₂ . Physical Review B, 2011, 84, .	1.1	29
96	Optical measurements of the superconducting gap in MgB ₂ . European Physical Journal B, 2001, 21, 159-161.	0.6	28
97	Signatures of polaronic excitations in quasi-one-dimensional LaTiO ₃ . Physical Review B, 2003, 67, .	1.1	28
98	Infrared signatures of the spin-Peierls transition in CuGeO ₃ . Physical Review B, 1997, 56, R11373-R11376.	1.1	26
99	Optical properties and electronic structure of Na _{1-x} Ca _x V ₂ O ₅ . Physical Review B, 2000, 62, 16522-16527.	1.1	26
100	Raman spectroscopy of BaF ₂ :R ₃₊ and SrF ₂ :R ₃₊ solid solutions between 300 and 1400 K. Physical Review B, 1982, 25, 6602-6608.	1.1	24
101	BiOCuS: A new superconducting compound with oxypnictide-related structure. Physica C: Superconductivity and Its Applications, 2010, 470, S356-S357.	0.6	23
102	Strong coupling to magnetic fluctuations in the charge dynamics of iron-based superconductors. Physical Review B, 2010, 82, .	1.1	23
103	The plasmon density of states of a layered electron gas. Zeitschrift für Physik B-Condensed Matter, 1993, 90, 277-281.	1.1	22
104	c-axis infrared response of Tl ₂ Ba ₂ Ca ₂ Cu ₃ O ₁₀ studied by oblique-incidence polarized-reflectivity measurements. Physical Review B, 1994, 49, 13065-13069.	1.1	22
105	Collective modes of spin, density, phase, and amplitude in exotic superconductors. Physical Review B, 1995, 51, 1147-1160.	1.1	22
106	Effects of Vortex Pinning and Thermal Fluctuations on the Josephson Plasma Resonance in Tl ₂ Ba ₂ CaCu ₂ O ₈ and YBa ₂ Cu ₃ O _{6.5} . Physical Review Letters, 2001, 86, 4660-4663.	2.9	22
107	c-Axis Optical Sum Rule and a Possible New Collective Mode in La _{2-x} Sr _x CuO ₄ . Physical Review Letters, 2003, 91, 037004.	2.9	22
108	Doping-dependent optical properties of Bi ₂ 201. New Journal of Physics, 2009, 11, 055067.	1.2	22

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109	BCS superconductivity near the band edge: Exact results for one and several bands. Physical Review B, 2016, 94, .	1.1	22
110	Modulation of the superconducting critical temperature due to quantum confinement at the interface. Physical Review B, 2017, 96, . $\text{LaAlO}_3/\text{manganite}$	1.1	22
111	Impact of antiferromagnetism on the optical properties of rare-earth nickelates. Physical Review B, 2017, 96, .	1.1	22
112	Optical integral in the cuprates and the question of sum-rule violation. Physical Review B, 2007, 76, .	1.1	21
113	Spin Resonance in EuTiO_3 Probed by Time-Domain Gigahertz Ellipsometry. Physical Review Letters, 2011, 106, 217601. Alternating spin-orbital order in tetragonal SrVO_2	2.9	21
114	Alternating spin-orbital order in tetragonal SrVO_2 . Physical Review B, 2011, 84, .	1.1	21
115	Rise and fall of shape resonances in thin films of BCS superconductors. Physical Review B, 2016, 94, .	1.1	21
116	Temperature-Dependent Ellipsometry Measurements of Partial Coulomb Energy in Superconducting Cuprates. Physical Review X, 2016, 6, .	2.8	21
117	Doping dependence of the chemical potential in cuprate high-Tc superconductors I. $\text{La}_{1-x}\text{Sr}_x\text{CuO}_4$. Physica C: Superconductivity and Its Applications, 1995, 241, 257-272.	0.6	20
118	Optical Spectroscopy of Plasmons and Excitons in Cuprate Superconductors. Journal of Superconductivity and Novel Magnetism, 2004, 17, 559-575.	0.5	20
119	Suppressed reflectivity due to spin-controlled localization in a magnetic semiconductor. Physical Review B, 2006, 73, .	1.1	20
120	Evidence for core-hole-mediated inelastic x-ray scattering from metallic FeO . Physical Review B, 2010, 82, .	1.1	20
121	Optical study of phonons and electronic excitations in tetragonal SrVO_2 . Physical Review B, 2011, 84, .	1.1	20
122	Microscopic mechanisms for the Fermi-liquid behavior of Nb-doped strontium titanate. Physical Review B, 2012, 86, .	1.1	20
123	Scaling of the Hall coefficient and resistivity in underdoped and overdoped $\text{RBa}_2\text{Cu}_3\text{O}_y$ films. Physical Review B, 1994, 50, 16125-16128.	1.1	19
124	Experimental and first principle calculation of $\text{Co}_x\text{Ni}_{(1-x)}\text{Si}$ solid solution structural stability. Journal of Alloys and Compounds, 2008, 465, 462-467.	2.8	19
125	Condensation energy and high-Tc superconductivity. Physical Review B, 2002, 66, .	1.1	18
126	Scaling properties of the optical conductivity of Bi-based cuprates. Annals of Physics, 2006, 321, 1716-1729.	1.0	18

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127	Microscopic theory for triplet pairing in an anderson lattice. Solid State Communications, 1985, 55, 937-940.	0.9	17
128	The use of Cooper minima effects and resonant photoemission in the study of the electronic structure of dilute alloys. Journal of Physics F: Metal Physics, 1987, 17, 657-665.	1.6	17
129	Comment on "Phase Diagram of $\text{La}_2\text{xSrxCuO}_4$ Probed in the Infrared: Imprints of Charge Stripe Excitations". Physical Review Letters, 2003, 91, 129701; author reply 129702.	2.9	17
130	Spin-orbit and crystal-field effects in AgPt dilute alloys. Journal of Physics F: Metal Physics, 1984, 14, 281-290.	1.6	16
131	c-axis penetration depth and interlayer conductivity in the thallium-based cuprate superconductors. Physical Review B, 1999, 60, R15051-R15054.	1.1	16
132	Spin-glass ground state in $\text{Mn}_{1-x}\text{Ni}_x\text{P}_2\text{O}_{14}$. Physical Review B, 2010, 82, .		
133	High sensitivity variable-temperature infrared nanoscopy of conducting oxide interfaces. Nature Communications, 2019, 10, 2774.	5.8	16
134	Localized superconductivity. Physical Review B, 1992, 45, 9940-9950.	1.1	14
135	Dynamical conductivity of an MBE-grown $\text{La}_{1.84}\text{Sr}_{0.16}\text{CuO}_4$ thin film at frequencies from 5 to 36 cm^{-1} . Physica B: Condensed Matter, 1998, 244, 15-21.	1.3	14
136	Manganese silicide single crystal and films deposited on Si(111): A comparative spectroscopic study. Surface Science, 2007, 601, 4066-4073.	0.8	14
137	Isotope tuning of the superconducting dome of strontium titanate. Physical Review Research, 2022, 4, .	1.3	14
138	Damping mechanism of the strongly renormalized c-axis plasma frequency in high- T_c cuprates. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1145-1146.	0.6	13
139	Two-dimensional orbital ordering in $d_{1/2}$ Mott insulator Sr_2VO_4 . Journal of Physics: Conference Series, 2010, 200, 012219.	0.3	13
140	Electron spin resonance and exchange paths in the orthorhombic dimer system Sr_2VO_4 . Physical Review B, 2012, 86, .	1.1	13
141	Detailed optical spectroscopy of hybridization gap and hidden-order transition in high-quality URu_2Si_2 crystals. Physical Review B, 2016, 94, .	1.1	13
142	Manifestation of structural Higgs and Goldstone modes in the hexagonal manganites. Physical Review B, 2020, 102, .	1.1	13
143	Comment on "Theory for the Anomalous $M_{4,5V}$ Auger Spectrum for Dilute Palladium in Silver". Physical Review Letters, 1985, 54, 1334-1334.	2.9	12
144	Long-range Coulomb forces and the behavior of the chemical potential of electrons in metals at a second-order phase transition. Physical Review B, 1994, 50, 16594-16597.	1.1	12

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145	Electrons and bursting waterworks. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 1391-1392.	0.7	12
146	Intraband optical spectral weight in the presence of a van Hove singularity: Application to $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$. <i>Physical Review B</i> , 2006, 74, .	1.1	12
147	In-plane and out-of-plane charge dynamics of high- T_c cuprates. <i>Journal of Physics and Chemistry of Solids</i> , 1995, 56, 1825-1828.	1.9	11
148	Optical phonons in the reflectivity spectrum of FeSi. <i>Physica B: Condensed Matter</i> , 1997, 230-232, 787-789.	1.3	11
149	Model-independent sum rule analysis based on limited-range spectral data. <i>New Journal of Physics</i> , 2007, 9, 229-229.	1.2	11
150	Ferroelectricity, Superconductivity, and SrTiO_3 . Passions of K.A. MÅller. <i>Condensed Matter</i> , 2020, 5, 60.	0.8	11
151	Unconventional free charge in the correlated semimetal $\text{Nd}_2\text{Ir}_2\text{O}_7$. <i>Nature Physics</i> , 2020, 16, 1194-1198.	6.5	11
152	Auger spectra and band structure of $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ and $\text{La}_{1.85}\text{Ba}_{0.15}\text{CuO}_4$. <i>Physical Review B</i> , 1992, 45, 2361-2370.	1.1	10
153	Comment on "Evidence for a-b-plane coupling to longitudinal c-axis phonon in high T_c superconductors". <i>Physical Review Letters</i> , 1993, 71, 2676-2676.	2.9	10
154	Charged magnons and magneto-elastic polarons in the mid-infrared spectrum of $\text{YBa}_2\text{Cu}_3\text{O}_6$. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 317-318, 286-291.	0.6	10
155	Magnetic Field Dependence of the Transverse Plasmon in $\text{SmLa}_{0.8}\text{Sr}_{0.2}\text{CuO}_4$. <i>Physical Review Letters</i> , 2001, 87, 177003.	2.9	10
156	Propagation of shear stress in strongly interacting metallic Fermi liquids enhances transmission of terahertz radiation. <i>Scientific Reports</i> , 2021, 11, 7105.	1.6	10
157	Raman spectroscopic evidence for multiferroicity in rare earth nickelate single crystals. <i>Physical Review Research</i> , 2021, 3, .	1.3	10
158	A unified approach to residual resistivity, thermoelectric power, ultraviolet photoelectron spectroscopy and de Haas-van Alphen measurements on dilute CuNi, CuPd, CuRh and CuPt alloys. <i>Journal of Physics F: Metal Physics</i> , 1985, 15, 111-139.	1.6	9
159	Infrared reflectivity of pure and doped CuGeO_3 . <i>Physica B: Condensed Matter</i> , 1998, 244, 114-120.	1.3	9
160	Optical spectroscopy of pure and doped CuGeO_3 . <i>Physical Review B</i> , 2000, 61, 12063-12074.	1.1	9
161	Electronic and optical properties of ZrB_{12} and YB_6 . Discussion on electron-phonon coupling. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 3114-3117.	0.8	9
162	Optical evidence for heavy charge carriers in FeGe. <i>Physical Review B</i> , 2007, 75, .	1.1	9

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181	MBE synthesis of YBa ₂ /Cu ₃ /O _y superconducting thin films. IEEE Transactions on Applied Superconductivity, 1993, 3, 1524-1527.	1.1	6
182	Comment on "Superconducting phases of Bi and Ga induced by deposition on a Ni sublayer". Physical Review B, 1993, 47, 548-549.	1.1	6
183	Anomalous millimeter-wave absorption in the superconducting phase of La _{2-x} Sr _x CuO ₄ . JETP Letters, 1998, 68, 432-436.	0.4	6
184	Optical spectra of the heavy fermion uniaxial ferromagnet UGe ₂ . Physical Review B, 2008, 78, .	1.1	6
185	Spectral weight of hole-doped cuprates across the pseudogap critical point. Physical Review Research, 2021, 3, .	1.3	6
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